

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 3639 | (aln or aluminum near2 nitride) near15 (co or carbon)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/28 11:13 |
| L2    | 3131 | (aln or aluminum near2 nitride) near15 (carbon)                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/28 11:13 |
| L3    | 42   | (aln or aluminum near2 nitride) near15 (carbon near2 monoxide)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/28 11:13 |
| S1    | 2    | "20040185666".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/19 10:53 |
| S2    | 5565 | nitrid\$7 near15 (sapphire or "al.sub. 2o.sub.3")                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/19 10:54 |
| S3    | 61   | nitridi\$7 near15 (sapphire or "al.sub. 2o.sub.3")                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/28 11:13 |
| S4    | 1    | "5742724".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/19 10:55 |
| S5    | 2    | "5741724".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/19 10:57 |
| S6    | 140  | (hiroyuki near2 fukuyama or kazuhiko near2 nagata or wataru near2 nakao). in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/19 10:59 |
| S7    | 4    | S6 and nitridi\$6 near15 (sapphire or "al.sub.2o.sub.3")                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2005/04/19 11:08 |

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| S8  | 61  | nitridi\$6 near15 (sapphire or "al.sub.2o.sub.3")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:09 |
| S9  | 4   | nitridi\$6 near15 (sapphire or "al.sub.2o.sub.3") near15 (aluminum near2 oxynitride)        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:09 |
| S10 | 66  | (sapphire or "al.sub.2o.sub.3") near15 (aluminum near2 oxynitride)                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:10 |
| S11 | 114 | (sapphire or "al.sub.2o.sub.3") near15 (aluminum near2 oxynitride or alon)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:10 |
| S12 | 5   | (sapphire or "al.sub.2o.sub.3") near15 (aluminum near2 oxynitride or alon) near15 carbon\$7 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:17 |
| S13 | 7   | (sapphire or "al.sub.2o.sub.3") near15 nitridi\$7 near15 carbon\$7                          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 16:37 |
| S14 | 187 | nitridi\$5 near10 (co or carbon near2 monoxide)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:33 |
| S15 | 4   | nitridi\$5 near10 (co or carbon near2 monoxide) near15 (sapphire or "al.sub.2o.sub.3")      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:33 |
| S16 | 5   | nitridi\$5 near10 (co or carbon near2 monoxide) same sapphire                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:39 |
| S17 | 283 | nitridi\$5 near10 (alon or oxy\$1nitride)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:39 |

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| S18 | 4   | nitridi\$5 near10 (alon or oxy\$1nitride)<br>near15 (sapphire or "al.sub.2o.sub.3") | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:40 |
| S19 | 6   | nitridi\$5 near10 (alon or oxy\$1nitride)<br>same (sapphire or "al.sub.2o.sub.3")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:41 |
| S20 | 317 | (alon or oxy\$1nitride) near15<br>(sapphire or "al.sub.2o.sub.3")                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 14:06 |
| S21 | 6   | grow\$6 near5 (alon or oxy\$1nitride)<br>near15 (sapphire or "al.sub.2o.sub.3")     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 11:41 |
| S22 | 7   | (alon or oxy\$1nitride) near15<br>(sapphire or "al.sub.2o.sub.3") near16<br>thermal | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 14:08 |
| S23 | 54  | form\$5 near10 (alon or oxy\$1nitride)<br>near15 (sapphire or "al.sub.2o.sub.3")    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 14:08 |
| S24 | 145 | (alon or oxy\$1nitride) near15 (co or<br>carbon near2 monoxide)                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 15:47 |
| S25 | 849 | (sapphire or "al.sub.2o.sub.3") near15<br>(co or carbon near2 monoxide)             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 15:47 |
| S26 | 48  | (sapphire or "al.sub.2o.sub.3") near15<br>(carbon near2 monoxide)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 15:48 |
| S27 | 20  | (sapphire or "al.sub.2o.sub.3") near15<br>(carbon near2 monoxide) and<br>crystal\$7 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 16:08 |

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| S28 | 4    | (sapphire or "al.sub.2o.sub.3") near15<br>nitridi\$6 near10 (alon or oxy\$1nitride)      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 16:09 |
| S29 | 61   | (sapphire or "al.sub.2o.sub.3") near15<br>nitridi\$7                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 16:55 |
| S30 | 0    | (sapphire or "al.sub.2o.sub.3") near15<br>(alno) near15 (co or carbon near2<br>monoxide) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 16:55 |
| S31 | 48   | (sapphire or "al.sub.2o.sub.3") near15<br>( carbon near2 monoxide)                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 16:56 |
| S32 | 20   | (sapphire or "al.sub.2o.sub.3") near15<br>( carbon near2 monoxide) and<br>crystal\$6     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 16:56 |
| S33 | 2    | carbon near10 dop\$6 near15 nitridi\$7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 17:05 |
| S34 | 1166 | carbon near15 nitridi\$7   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 17:06 |
| S35 | 11   | carbon near15 nitridi\$7 same<br>(sapphire or "al.sub.2o.sub.3")                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/04/19 17:06 |